

## Corn: Agricultural Chemical Applications, Iowa, 2005

Agricultural Chemical	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	<i>Percent</i>	<i>Number</i>	<i>-----Pounds per Acre-----</i>		<i>Million lbs</i>
<b>Fertilizers:</b>					
Nitrogen	92	1.4	98	141	1,653.2
Phosphate	70	1.1	60	64	579.0
Potash	71	1.0	80	84	762.3
Sulfur	5	1.0	7	7	4.5
<b>Herbicides:</b>					<i>1,000 lbs</i>
2, 4-D, 2-EHE	2	1.0	0.564	0.564	113
Acetochlor	32	1.0	1.661	1.662	6,706
Atrazine	61	1.1	0.955	1.055	8,276
Clopyralid	7	1.0	0.128	0.128	112
Dicamba, Pot. salt	3	1.0	0.391	0.391	146
Dicamba, Sodium salt	1	1.0	0.122	0.122	18
Diffluenzopyr-sodium	1	1.0	0.049	0.049	7
Dimethenamid-P	6	1.0	0.746	0.746	602
Flufenacet	3	1.0	0.338	0.338	130
Flumetsulam	7	1.0	0.046	0.046	40
Glufosinate-ammonium	13	1.0	0.398	0.398	639
Glyphosate iso.salt	21	1.1	0.745	0.836	2,230
Isoaflutole	6	1.0	0.054	0.054	41
Mesotrione	32	1.0	0.108	0.108	443
Nicosulfuron	14	1.0	0.022	0.022	39
Rimsulfuron	13	1.0	0.011	0.011	18
S-Metolachlor	22	1.0	1.520	1.530	4,335
<b>Insecticides:</b>					
Cyfluthrin	6	1.0	0.006	0.006	4
Tebupirimphos	6	1.0	0.115	0.115	89
Tefluthrin	2	1.0	0.107	0.107	30

<sup>1</sup> Planted acres in 2005 for Iowa were 12.8 million acres.

The agricultural chemical use estimates refer to on-farm use of commercial fertilizers and pesticides on targeted crops for the 2005 crop year. The targeted crops for Iowa only included corn. Farm and ranch operators were enumerated late in the growing season after the farm operator had indicated that planned applications were completed.

The data were compiled from the Agricultural Resources Management Survey (ARMS). The main portion of data collection time frame occurred during the months of September-December of 2005.

This report excludes pesticides used for seed treatments and postharvest applications to the commodity. Spot treatments, which account for a very small percentage of total applications, are also excluded.